Title (en)

VOLTAGE TOLERANT TERMINATION PRESENCE DETECTION

Title (de)

SPANNUNGSTOLERANTE ABSCHLUSSPRÄSENZERKENNUNG

Title (fr)

DÉTECTION DE PRÉSENCE DE TERMINAISON TOLÉRANTE À LA TENSION

Publication

EP 3436962 A4 20200318 (EN)

Application

EP 17776184 A 20170228

Priority

- US 201615087462 A 20160331
- US 2017019919 W 20170228

Abstract (en)

[origin: US9780783B1] Apparatuses and methods associated with voltage tolerant termination presence detection for universal serial bus type-C connectors are disclosed herein. In embodiments, an apparatus to enable voltage tolerant termination presence detection may include sensor circuitry to determine whether a device coupled to the sensor circuitry is to operate in host mode or device mode based on a signal on a configuration channel between the device and the sensor circuitry. In embodiments, the apparatus may further include termination circuitry to bias the configuration channel in accordance with the host mode or the device mode based on the determination of whether the device is to operate in the host mode or the device mode. Other embodiments may be described and/or claimed.

IPC 8 full level

G06F 13/38 (2006.01); **G06F 13/40** (2006.01); **H03K 19/00** (2006.01); **H03K 19/0175** (2006.01)

CPC (source: EP US)

G06F 13/4086 (2013.01 - EP US); **H03K 19/0005** (2013.01 - EP US); **H03K 19/017509** (2013.01 - EP US); G06F 13/4072 (2013.01 - EP US)

Citation (search report)

- [XI] EP 2940592 A1 20151104 - NOKIA TECHNOLOGIES OY [FI]
- [XY] EP 2930588 A1 20151014 - NOKIA CORP [FI]
- [Y] US 8766675 B1 20140701 - DREPS DANIEL M [US], et al
- [A] ANDREW ROGERS: "Introduction to USB Type-C(TM)", 30 January 2015 (2015-01-30), pages 1 - 20, XP055356654, Retrieved from the Internet <URL:http://ww1.microchip.com/downloads/en/AppNotes/00001953A.pdf> [retrieved on 20170320]
- See references of WO 2017172179A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 2017288668 A1 20171005; **US 9780783 B1 20171003**; CN 108780431 A 20181109; EP 3436962 A1 20190206; EP 3436962 A4 20200318; US 10284199 B2 20190507; US 2018123589 A1 20180503; WO 2017172179 A1 20171005

DOCDB simple family (application)

US 201615087462 A 20160331; CN 201780014699 A 20170228; EP 17776184 A 20170228; US 2017019919 W 20170228; US 201715722985 A 20171002